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EUROPEAN PATENT APPLICATION

21 Application number: **88101893.1**

51 Int. Cl.4: **B62D 5/00 , B62D 5/04 , B62D 5/06**

22 Date of filing: **09.02.88**

30 Priority: **26.03.87 JP 72851/87**

43 Date of publication of application:
28.09.88 Bulletin 88/39

84 Designated Contracting States:
DE FR GB

88 Date of deferred publication of the search report:
18.10.89 Bulletin 89/42

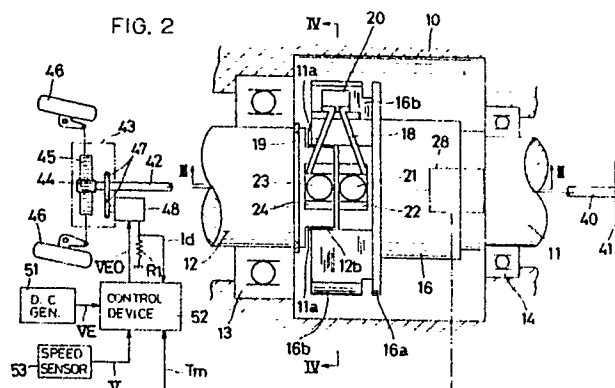
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54 **Torque sensor.**

57 A torque sensor in which a main shaft (11) and a follower shaft (12) are supported rotatably relative to each other on a common axis. A sleeve is supported axially slidable on one of the main and follower shafts. A deviation sensor is responsive to an axial movement of the sleeve to output a signal corresponding to the quantity of the axial movement. At least one set of torque transmitting members is provided to transmit the torque applied to the main shaft to the follower shaft and to move the sleeve axially in accordance with the torque. The at least one set of torque transmitting members comprises a first connection body extending parallel to the common axis, inclined in a plane offset radially of the main and follower shafts, and connected at one and the other ends to the sleeve and main shaft, respectively. It also includes a second connection body provided inclined in the plane and in the opposite direction to that in which the first connection body is inclined, and connected at one and the other ends to the sleeve and the follower shaft, respectively.



EP 0 283 691 A3



EP 88 10 1893

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. 4)
24	X EP-A-0 190 960 (PEUGEOT) * Claims 1,3; abstract; figures 2-5 *	1-3,5	B 62 D 5/00
	A	4	B 62 D 5/04
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12	A MACHINE DESIGN, vol. 38, no. 9, 14th April 1966, page 159, Cleveland, US; "Twisting sleeve senses Torque" * Whole document *	1-3	

23	A,D US-A-2 964 017 (HRUSKA) * Column 2, line 45 - column 3, line 2; figure 3 *	1-3	

2	P,A GB-A-2 186 242 (HONDA) * Page 2, lines 5-9; page 2, lines 34-54; figure 1 *	1,5,6	

17	A US-A-4 584 884 (LESKO) * Abstract; figure 2 *	1	

2	A FR-A-2 586 807 (AISIN SEIKI) * Page 11, line 30 - page 12, line 7; abstract; figure 1 *	1	

The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 10-07-1989	Examiner MYON G.J-P.
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	